

PRODUCT DATA SHEET**D10271**

Werlatone® Mismatch Tolerant® High Power Broadband RF Combiners and Dividers will operate into High Load VSWR Conditions, for extended periods, without damage. With extensive experience as a supplier to military platforms worldwide **Werlatone®** designs its High Power Broadband Combiners, Power Dividers, and N-Way Combiners for proper operation in the most stringent operating conditions.

Features:

High Power Wide Bandwidths Small Size Custom Designs Available

Electrical Specifications:

Type: 2-Way Combiner/Divider (60/40 Split)
Frequency: 140 - 180 MHz
Power: 500 W CW, 8 kW Peak
Insertion Loss: 0.4 dB Max.
VSWR: 1.30:1 Max.
Phase Balance: $\pm 5^\circ$ Max.
Amplitude Balance: ± 0.3 dB Max.
Isolation: Non-Isolated

Mechanical Specifications:

Type: Connectorized
Material: Aluminum 6061-T6
Surface Finish: Chem. Film Per MIL-DTL-5541F Type II Class 3 (Clear Iridite) RoHS Compliant Available
Operating Temperature: -55°C to +75°C
Storage Temperature: -60°C to +85°C
Weight: 29 ounces
Size: 6.0 x 5.0 x 1.06"

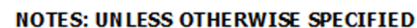
Connector Configurations:

Model	Sum Port (J1)	Input/Output (J2)	Input/Output (J3)
D10271-10	N Female	N Female	N Female


When specified, Werlatone® High Power Combiners and RF Dividers will tolerate full input failures on adjacent port(s). This insures that remaining transmitter(s) may continue to operate until the amplifier system can be properly shut down for maintenance. Choose your specific connector configuration from a list of options. Additional connector configurations for our High Power RF Combiners/Dividers, Non-Coherent Combiners, and N-Way Combiners are available upon request.

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REV.	REVISION RECORD	DATE	APPROVED
-	INITIAL PHASE	3/16/2013	3-w



1. MATERIAL: ALUMINUM 6061-T6
2. FINISH: CHEM FILM PER MIL-DTL-5541F TYPE 2 CLASS 3 (CLEAR)
3. CONNECTORS: ALL N (FEMALE)

<div>D10271 USED ON NEXT ASSY</div>		UNLESS OTHERWISE SPECIFIED		DATE	DATE	<div> WERLATON SINCE 1965</div>	17 Jon Barrett Rd Patterson, NY 12561	
		<div>• DETERMINED DIMENSIONS, FITS • DIMENSIONS RELEASED VIA 3D MODEL • PARTS LIST AND PART NO. • DIMENSIONS ARE TO CENTER • DIMENSIONS TO CENTER UNLESS OTHERWISE SPECIFIED • TOLERANCES</div>	<div>P/LP DATE 3/15/2015</div>	<div>DATE 3/15/2015</div>	TITLE		OUTLINE, 2 WAY	
<div>APPLICATION</div>		<div>THIRD ANGLE PROJECTION</div>		SIZE	CHG CODE	DWG NO	<div>SHEET 1 OF 1</div>	
				<div>1:2</div>	<div>28812</div>	<div>21308-500</div>		

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